GENERAL NOTES

1. Pipe shall be any of the optional types permitted in Section 443 of the Specifications unless otherwise specified in the plans. Dissimilar types of pipe will not be permitted in a continuous run of pipe.

2. Concrete pipe shall be placed with the slots positioned on sides.

3. Alignment joints are standard (gaskets not required). Recorrugation of metal pipe ends not required.

4. The contractor may specify other methods of providing slots equal to or greater area of opening, for approval by the Engineer.

5. Filter fabric shall be Type D-3 meeting the requirements of Section 985. All filter fabric joints shall lap a minimum of one (1) foot.

6. The standard cross section shall be constructed unless otherwise described or detailed in the plans.

7. For supplementary details see Index No. 285.

8. The contractor shall take the necessary precautions to prevent contamination of the French drain system with sand, silt and foreign materials.

9. French drains following the applicable alternate section shall be paid for under the contract unit price for French drains, LF. The unit price shall include the cost for pipe, pipe plugs and fittings in place.

French drains with a significantly different cross-section shall be paid for under the contract unit prices for separate items as follows:

(a) Perforated Pipe Culvert, LF. Unit price shall include the cost for pipe, pipe plugs and fittings in place.

(b) Ballast Rock (French Drain Aggregate), CY. Unit price shall include the cost for coarse aggregate in place, and cost for trench excavation, backfill and compaction. The unit price shall also include the cost for disposal of surplus excavated materials and cost for restoration of pavement removed or damaged by French drain construction, but shall not include payment for fines paid for elsewhere.

(c) Plastic Filter Fabric (Subsurface), SY. Unit price shall be for cost of fabric in place. Quantity shall be determined by plan or field dimensions of the fabric envelope.

DESIGN NOTES

1. Pipe invert should be at or above the water table whenever possible.

2. French drains with minor dimensional changes or otherwise different from the standard cross-section shall be either modified or detailed in the plans. French drains with significantly different cross-sections shall be detailed in the plans.
SLOTTED PIPE OPTIONS

OPTION A - ROUND PIPE

OPTION B - ROUND OR ELLIPTICAL PIPE